

CDF Run II Preliminary

Systematic	channel	WZ/ZZ	WW	$t\bar{t}$ & single t	EWK	QCD
Cross Section (Norm.)	no-tag		$\pm 6\%$	$\pm 7.9\%$		$\pm 7\%$
	2-tag		$\pm 6\%$	$\pm 6.9\%$		$\pm 13.5\%$
EWK Shape	both				✓	
QCD Shape	both					✓
JES Shape/Rate	no-tag	yes/ $\pm 7.1\%$	yes/ $\pm 7.6\%$	no/ $\pm 3.7\%$		
	2-tag	yes/ $\pm 6.9\%$	yes/ $\pm 7.6\%$	no/ $\pm 3.2\%$		
b ness cuts (up)	no-tag	+0.46%	+0.08%	+2.3%		
	2-tag	-13.2%	-23.9%	-12.1%		
b ness cuts (down)	no-tag	-0.51%	-0.08%	-2.7%		
	2-tag	+14.4%	+25.8%	+14.5%		
Acceptance						
JER		$\pm 0.7\%$	$\pm 0.7\%$	$\pm 0.7\%$		
\cancel{E}_T Model		$\pm 1.0\%$	$\pm 1.0\%$	$\pm 1.0\%$		
ISR/FSR		$\pm 2.5\%$	$\pm 2.5\%$	$\pm 2.5\%$		
PDF		$\pm 2\%$	$\pm 2\%$	$\pm 2\%$		
Lumi/Trigger e		$\pm 6.4\%$	$\pm 6.4\%$	$\pm 6.4\%$		